AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

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M6
1957

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BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

JANUARY 1957

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METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	63.7	63.4	64.5	63.9	16.0	11.7	12.2	15.3	13.3	13.6
2	65.3	65.1	65.2	65.2	15.5	10.8	12.4	14.6	12.4	13.1
3	63.9	61.0	60.7	61.9	16.0	12.2	12.4	15.6	14.1	14.0
4	59.4	58.5	58.6	58.8	18.0	10.0	14.8	17.4	14.4	15.5
5	57.9	57.2	59.8	58.3	14.8	10.2	11.9	12.8	12.8	12.5
6	62.2	62.6	64.0	62.9	12.9	8 1	10.4	10.6	9.7	10.2
7	65 9	65.8	66.1	65.9	11.8	7.6	8.9	11.3	9.0	9.7
8	63.0	60.6	61.8	61.8	13.5	9.5	9.7	13.2	10.6	11.2
9	63.3	63.5	63.9	63.6	14.5	9.9	11.1	13.7	11.3	12.0
10	62.8	60.3	60.2	61.1	15.0	10.2	11.7	14.3	12.2	12.7
11	59.8	59.3	61.9	60.3	14.3	8.9	11.7	12.7	15.2	13.2
12	64.5	63.9	64.4	64.3	15.7	11.1	11.4	15.0	13.9	13.4
13	63.8	63.2	64.9	64.0	16.4	12.1	15.3	16.3	14.2	15.3
14	66.9	66.7	68.1	67.2	17.4	12.2	15.4	17.2	14.2	15.6
15	68.0	65.7	66.4	66.7	16.9	11.6	12.8	16.7	13.6	14.4
16	66.0	63.7	63.5	64.4	16.5	11.1	13.3	16.0	13.6	14.3
17	62.1	59.7	58.9	60.2	16.0	12.0	13.1	15.6	13.1	13.9
18	55.5	53.4	52.7	53.9	15.3	10.2	13.9	14.6	13.2	13.9
19	53.9	55.8	58.4	56.0	13.7	9.6	12.1	11.3	10.7	11.4
20	60.0	59.5	60.7	60.1	12.3	9.6	10.7	11.7	11.1	11.2
21	62.6	62.4	64.1	63.0	11.8	7.1	10.6	11.7	9.3	10.5
22	66.2	65.3	67.0	66.2	11.4	6.2	9.6	11.2	10.1	10.3
23	70.4	69.0	70.9	70.1	12.7	8.5	8.8	12.6	10.3	10.6
24	71.1	69.7	69.7	70.2	14.5	11.1	11.3	14.2	11.7	12.4
25	68.6	66.9	67.6	67.7	17.3	11.5	14.3	16.7	13 3	14.8
26	67.1	65.4	65.3	65.9	16.6	12.2	13.0	16.2	13.9	14.4
27	64.0	62.2	62.8	63.0	17.1	13.2	13.7	16.7	14.6	15.0
28	61.8	60.6	60.0	60.8	17.0	14.1	14.3	16.7	14.9	15.3
29	54.1	53.7	54.7	54.2	17.4	10.4	16.6	12.3	12.1	13.7
30	53.0	52.7	54.6	53.4	14.4	9.6	10.8	11.3	10.9	11.0
31	55.9	54.5	56.0	55.5	13.0	6.4	10.6	12.3	11.1	11.3
	62.67	61.65	62.50	62.27	15.02	10.29	12.22	14.12	12.41	12.92

Barometer, range for month 771.1 mm. — 752.7 mm.
„ 71-yr. average for month 763.184 mm.
Thermometer, range for month 18.0°C — 6.2°C
„ 71-yr. average for month 13.72°C
Rain total for month 115.84 mm.
„ 71-yr average for month 190.28 mm.
„ Total, Sept. 1st. to end of month 281.61 mm.
„ 71-yr average. Sept. 1st. to end of month 564.55 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	12.3	14.0	11.4	12.6	88	79	76	81	3.9	206	4.62
2	8.7	9.6	9.2	9.2	61	59	65	62	8.2	245	
3	8.7	9.7	9.6	9.3	61	54	62	59	4.6	360	
4	8.7	13.7	10.6	11.0	52	72	65	63	8.0	484	
5	9.6	12.8	11.0	11.1	71	87	74	77	2.3	1067	8.30
6	6.7	6.7	5.6	6.3	53	50	49	51	9.0	1168	0.45
7	5.2	6.6	6.4	6.1	45	52	55	51	9.4	283	
8	4.8	7.8	5.5	6.0	42	51	44	46	9.4	386	
9	6.6	7.8	7.9	7.4	51	50	61	54	8.4	322	
10	7.0	10.6	8.7	8.8	50	64	61	58	5.2	272	
11	9.6	9.2	10.5	9.8	70	61	90	74	5.5	389	2.26
12	10.5	11.1	12.4	11.3	75	65	77	72	2.9	687	3.64
13	9.6	10.6	10.5	10.2	59	59	69	62	3.5	740	2.20
14	10.6	11.2	10.5	10.8	61	57	68	62	8.1	311	0.20
15	8.7	12.1	10.1	10.3	60	65	66	64	9.1	235	
16	8.7	11.1	11.0	10.3	58	61	71	63	8.3	256	
17	9.6	12.1	11.0	10.9	64	68	76	69	7.8	341	
18	11.9	12.5	11.9	12.1	76	75	80	77	0.9	787	12.06
19	9.2	6.6	5.9	7.2	64	52	48	55	5.4	1007	1.00
20	6.7	7.5	7.1	7.1	54	55	54	54	0.2	684	
21	5.5	5.8	6.0	5.8	45	43	49	46	8.1	539	
22	4.0	4.6	5.5	4.7	36	34	44	38	9.7	1144	
23	4.1	5.3	5.1	4.8	37	34	41	37	9.7	225	
24	6.6	9.2	8.7	8.2	51	59	64	58	9.1	227	
25	7.4	8.8	8.3	8.2	46	47	54	49	8.5	373	
26	6.1	9.7	7.8	7.9	43	53	48	48	4.7	201	
27	6.5	11.2	10.1	9.3	41	58	62	54	7.2	138	
28	9.2	11.6	11.1	10.6	55	60	64	60	3.7	288	
29	8.3	12.8	10.1	10.4	43	92	73	69	0.1	608	9.86
30	11.4	11.8	11.8	11.7	90	90	90	90	0.0	867	54.95
31	11.4	11.0	10.5	11.0	88	76	79	81	2.2	621	16.30
	8.19	9.84	9.09	9.04	57.7	60.7	63.8	60.8	5.91	498.71	3.74

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10st	10st	10st	10.0	1se	1n	1se	light	
2	1cu	10ci	0	3.7	1se	1nw	1e	,,	
3	10ci	10ci	0	6.7	1se	2ne	1ne	,,	D.a.m
4	0	10st	0	3.3	1se	1ne	1se	,,	D.a.m
5	10ci-st	10st	10st	10.0	3se	2sw	3n	,,	
6	0	0	0	0.0	6ne	6ne	6ne	Rougn	
7	0	0	0	0.0	1se	1n	1se	light	
8	0	0	0	0.0	1se	1nw	1se	,,	D.a.m
9	0	8cu-st	9ci-st	5.7	1se	1w	1se	,,	
10	10ci-cu	10ci-st	10ci	10 0	1se	1n	1se	,,	D.a.m
11	10ci-st	3cu-ci	0	4.3	1se	2w	1nw	light	
12	10ni	10st	10ni	10.0	1sw	2sw	2s	,,	
13	10ci-st	4cu	8cu-st	7.3	3sw	4w	2se	,,	
14	7ci-st	8cu-st	5cu-st	6.7	1se	2sw	1se	,,	
15	0	10ci	10cu-ci	6.7	1se	1n	1n	,,	D.a.m.p.m
16	10ci	10ci	0	6.7	1se	1n	1se	light	D.a.m
17	5cu-ci	0	0	1.7	1se	1nw	1nw	,,	D.a.m.p.m
18	10st	10st	10ni	10.0	3sw	4sw	2sw	,,	
19	10st	8cu-st	10st	9.3	4n	4n	3n	,,	
20	10ci-st	10ci-st	10st	10.0	3ne	4ne	3ne	,,	
21	2cu	9cu-st	0	3.7	3ne	3ne	1ne	light	
22	0	0	0	0.0	4ne	5ne	4ne	,,	
23	0	0	0	0.0	1se	1w	1ne	,,	
24	10ci	10ci	0	6.7	1se	1nw	1se	,,	
25	10cu-ci	0	0	3.3	1s	2sw	1se	,,	
26	10ci	10ci-st	0	6.7	1se	1n	1e	light	D.a.m
27	10ci	7ci	0	5.7	1s	1w	1se	,,	
28	10ci	10ci-st	10ci-st	10.0	0	1n	1ne	,,	D.a.m
29	10ci-st	10st	10st	10.0	2se	1se	1se	,,	Tr.a.m
30	10ni	10ni	10st	10.0	6sw	4w	3sw	slight	W.a.m
31	10cu-st	10st	10ni	10.0	1s	2sw	3w	light	
	mean			6.07					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	4	0	18	3	4	0	0	1	31
14:30	8	6	0	1	0	6	6	4	0	31
20:30	3	7	2	13	1	2	1	2	0	31
Total	12	17	2	32	4	12	7	6	1	93

Number of days with rain 12, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 15.67
Time of reading minus 2 hours equals G.C.T